

# BS7835 Single Core Armoured Mains Cable CU XLPE AWA LSZH 12.7/22kV - 50mm<sup>2</sup> to 500mm<sup>2</sup>



## Description

BS7835, single core copper cable, 12.7/22kV, XLPE insulation, AWA, LSZH sheath, armoured cable, water blocked, industrial power networks, power stations, 50mm<sup>2</sup>, 70mm<sup>2</sup>, 95mm<sup>2</sup>, 120mm<sup>2</sup>, 150mm<sup>2</sup>, 185mm<sup>2</sup>, 240mm<sup>2</sup>, 300mm<sup>2</sup>, 400mm<sup>2</sup>, 500mm<sup>2</sup>

## Key Features



**Voltage Rating**  
12.7/22 (24)kV



**Minimum Bending Radius**  
15 x Overall Diameter



**Flame Retardancy**  
BS EN/IEC 60332-1  
BS EN/IEC 60332-3-24



**Temperature Limits**  
Conductor Maximum Operating Temperature: +90°C  
Maximum Short Circuit Temperature: +250°C

## Core Colours

Outer Sheath: Red or Black

## Standards

- BS 7835
- IEC/EN 61034-1/2,
- IEC/EN 60754-1/2
- BS EN/IEC 60332-1-2 & BS EN/IEC 60332-3-24

## Construction

- **Conductor:** Class 2 Copper Conductor
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi-Conductive XLPE
- **Metallic Screen:** Individual copper tape screen
- **Filler:** Polyethylene Terephthalate (PET) fibres
- **Bedding:** Low Smoke Zero Halogen (LSZH)
- **Armour:** Aluminium Wire Armour (AWA)
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)

## QA Lab

### Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



## CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



## Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



## ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

## ecovadis

## BS7835 Single Core Armoured Mains Cable CU XLPE AWA LSZH 12.7/22kV - 50mm<sup>2</sup> to 500mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
22KVXLPE1X50	50	1	1.40	32.0	1505
22KVXLPE1X70RD	70	1	1.47	34.0	1807
22KVXLPE1X70BK	70	1	1.47	34.5	1807
22KVXLPE1X95	95	1	1.54	36.5	2099
22KVXLPE1X120	120	1	1.57	37.5	2500
22KVXLPE1X150	150	1	1.64	40.0	2745
22KVXLPE1X185	185	1	1.70	41.5	3095
22KVXLPE1X240	240	1	1.78	45.0	4000
22KVXLPE1X300	300	1	1.82	47.5	4598
22KVXLPE1X400	400	1	1.9	50.0	5595
22KVXLPE1X500	500	1	2.0	54.0	6745

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